



ATTACHMENT

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GROUP 3600

SPECIFICATION

[Electronic Version 1.2.8]

Title of Invention: Harrison Free Standing Towers
And Missile Defense System.

Detailed Description: Free Standing Towers, that support and contain anti-missile defense radar, communications systems and defensive weapons to protect the USA and it's Allies against enemy cruise missiles, ICBMs and manned or unmanned aircraft. (Note: Free Standing Towers do not require cables extending outward from the towers that are connected to ground anchors or other support for stability and support, as all high towers do today). Also this invention provides border defense for the USA and USA Allies. Defensive weapons would include, but not be limited to, anti-missile missiles, USA defensive aircraft, Directed Energy Weapons such as (but would not be limited to) HEL (High Energy Laser) weapons and HECW (High Energy Carrier Wave) weapons. The system described above would provide the lowest cost option for positioning defensive systems where look-down surveillance, look over-the-natural-horizon surveillance, look-up surveillance and high electric power requirements are a major consideration. The design technique would include:

1. The use of large gyroscopes to provide tower stability. Our search of the literature and the Internet (See our list of References as listed in Attachments: Attachment A) indicates no claims for the use if gyroscopes to stabilize unsupported radar towers, or communication towers.

Claims:

2. The use of large gyroscopes to stabilize Radar Towers, Communication Towers and towers designed for defense from cruise missiles, ICBMs, manned aircraft, unmanned aircraft (drones), and perimeter defense of all types.
3. The use of clear structural members (such as Lucite) suitable to contain photoelectric power panels suitable to generate significant electric power.
4. The use of wind power electric generators on high free standing towers for generating significant electric power.
5. The use of high free standing towers to support radar, communication and other antennas and equipment.
6. The use of plastic clear air supported structures to protect radar antennas, radar equipment and other military defense equipment.
7. The use of elevators to construct, service and maintain high (1000 feet high and higher) free standing military, communication and commercial towers.
8. The use of low friction bearings, such as magnetic bearings, allows gyroscope rotation speeds of 150,000 RPM and higher. This rotation speed capability is unique, and heretofore was heretofore not practical. However, such rotation speeds, now, massively increase the gyroscopic moment attainable for gyroscopes by a significant factor, in the order of an entire order of magnitude (times ten) and by our calculations, perhaps multiple orders of

magnitude. This increases the usefulness of gyroscopes not only for The use of large gyroscopes to stabilize Radar Towers, Communication Towers and towers designed for defense from cruise missiles, ICBMs, manned aircraft, unmanned aircraft (drones), and perimeter defense of all types, but also for the use of large gyroscopes to stabilize Radar Towers, Communication Towers and towers designed for defense from cruise missiles, ICBMs, manned aircraft, unmanned aircraft (drones), and perimeter defense of all types, but also for the stabilization of the following: high buildings (skyscrapers), Ships (ocean going ships both military and otherwise), navigation instruments, etc.

Abstract of Disclosure: Free Standing Towers and defensive systems that support and provide surveillance radar, communication systems and defense systems against cruise missiles, ICBMs, manned and unmanned aircraft by providing the lowest cost option for positioning systems where look-down surveillance, look-over -the-natural horizon surveillance, look-up surveillance and high electric power requirements are a major consideration.

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